

### **REMARKS**

This reply is submitted in response to the final Office Action dated May 17, 2007. The amendments above and the remarks that follow address the points raised in the Office Action and, thereby are believed to place this application in condition for allowance.

#### **Allowed Claims**

Applicants acknowledge with appreciation the allowance of claims 9 and 10. In addition, claims 6, 8, 16, 18-20, and 25- 27 are deemed allowable if rewritten in independent form. As indicated in the above listing of the claims, some of the allowable claims (i.e., claims 8, 16, 18, and 27) are rewritten in independent format, and the features of others have been added to other independent claims that have been rejected to place the application in condition for allowance.

#### **Claim Rejections under 35 U.S.C. §103**

Claim 1 stands rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,161,209 of Moher. Claims 3, 4, 7, 21, 23, and 26 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,161,209 of Moher in view of U.S. Patent No. 6,816,541 of Schmidl. Claims 5 and 24 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,161,209 of Moher in view of U.S. Patent No. 6,816,541 of Schmidl and U.S. Patent No. 7,028,114 of Milan et al. Claims 11 and 28-29 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,161,209 of Moher in view of U.S. Patent No. 6,816,541 of Schmidl and "DMA Fundamentals on Various PC Platforms" of Harvey. Claims 13, 14, and 17 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,161,209 of Moher in view of "DMA Fundamentals on Various PC Platforms" of Harvey in view of U.S. Patent No. 6,816,541 of Schmidl. Claim 15 stands rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,161,209 of Moher in view of "DMA Fundamentals on Various PC Platforms" of Harvey in view of U.S. Patent No. 6,816,541 of Schmidl.

Without acquiescing to the Examiner's rejections, in order to expedite the prosecution of the present application, the claims are amended to include features of the allowable claims.

Specifically, independent claim 1 is amended as indicated above to include the features of allowable claim 6 and intervening claim 3. Claim 3 is amended to recite that one or more first processing elements access the gamma matrix from the second memory to generate the R-matrix. Allowable claim 8 is written in independent form. Independent claim 11 is amended to include the features of allowable claim 19, and allowable claims 16 and 18 are written in independent form. Claim 21 is amended as indicated above to include the features of allowable claim 26. Further, allowable claim 27 is written in independent form. Hence, the claims are believed to be in condition for allowance.

**Conclusion**

In view of the above amendment, Applicants believes the pending application is in condition for allowance.

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Respectfully submitted,

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